

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. Contract ID Code Firm-Fixed-Price		Page 1 Of 16	
2. Amendment/Modification No.  P00007		3. Effective Date  2001APR06		4. Requisition/Purchase Req No.  SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM AMSTA-LC-CAEA-A LINDA E. WILLIAMS (810)574-8116 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: WILLIALI@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCM DETROIT U.S. ARMY TANK-AUTOMOTIVE AND ARMAMENTS COMMAND (TACOM) BLDG 231 ATTN: DCMDE-GJD WARREN, MI 48397-5000  SCD A PAS NONE ADP PT SC1012		Code S2305A	
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)  GENERAL DYNAMICS LAND SYSTEMS DIV 38500 MOUND RD STERLING HEIGHTS MI 48310-3260  TYPE BUSINESS: Large Business Performing in U.S.				<input type="checkbox"/>		9A. Amendment Of Solicitation No.	
				<input type="checkbox"/>		9B. Dated (See Item 11)	
				<input checked="" type="checkbox"/>		10A. Modification Of Contract/Order No. DAAE07-00-C-N001	
				<input type="checkbox"/>		10B. Dated (See Item 13) 1999NOV19	
Code 7W356		Facility Code					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. <b>FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.</b> If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) NO CHANGE TO OBLIGATION DATA <span style="float: right;">FMS REQUIREMENT</span>							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS</b>							
KIND MOD CODE: G <span style="float: right;">It Modifies The Contract/Order No. As Described In Item 14.</span>							
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.		The Changes Set Forth In Item 14 Are Made In					
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input checked="" type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Mutual agreement							
<input type="checkbox"/> D. Other (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  SEE SECOND PAGE FOR DESCRIPTION							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) JOHN REGENHARDT REGENHAJ@TACOM.ARMY.MIL (810)574-6973			
15B. Contractor/Offeror  (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America  By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

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SECTION A - SUPPLEMENTAL INFORMATION

Modification P00007 is hereby issued to incorporate updates to Contract DAAE07-00-C-N001.

- a. The Contractor and Government agree to the incorporation of the following:
- 1) Attachment 2 ERR & applicable ECPs
  - 2) Attachment 3 hardware listings for ELINs A021, A024 and A025.
  - 3) Attachment 9 reflects the material value moved from ELIN A024, EG7007-IVF, to ELIN A025, EG7008-A-IVF.
  - 4) Attachment 10 COID Certification dated 29 December 1999.
  - 5) Attachment 11 DD 254 Security Classification Specification dated 30 December 1999.
  - 6) Section D Packaging and Marking, D.6.2. added language. "The Contractor must coordinate with the Egypt Tank Plant (ETP) when they want to ship in advance of schedule. The ETP must be given the opportunity to concur/disapprove."
  - 7) Section C is replaced in its entirety and Section I-120 clause added.
- b. The contract price is neither increased or decreased and the contractor waives all claims for equitable adjustable for these changes.
- c. Except as noted herein, all other terms and conditions of the contract remain in full force and effect.

\*\*\* END OF NARRATIVE A 011 \*\*\*



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Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS DIV

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AB	<p><u>PRODUCTION QUANTITY</u></p> <p>NSN: 2350-01-087-1095 NOUN: M1A1 TANK COMBAT 120MM 100 FSCM: 00000 PART NR: 0000000 SECURITY CLASS: Unclassified CLIN CONTRACT TYPE:     Firm-Fixed-Price PRON: J50VEH0347    PRON AMD: 06    ACRN: AB AMS CD: NFM001 FMS CASE IDENTIFIER: EG NFM</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin    ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u> DOC                    SUPPL <u>REL CD</u>    <u>MILSTRIP</u>    <u>ADDR</u>    <u>SIG CD</u>    <u>MARK FOR</u>    <u>TP CD</u> 001  W56HZV9355D118  BEG003    M        BEG800        1             <u>PROJ CD</u>    <u>BRK BLK PT</u>             GGX <u>DEL REL CD</u>        <u>QUANTITY</u>        <u>DEL DATE</u> 001                100                01-APR-2002  002                0                01-OCT-2002  003                0                01-APR-2003  004                0                01-NOV-2003</p> <p>FOB POINT: Origin</p> <p>SHIP TO: <u>PARCEL POST ADDRESS</u> (BEG003)    PANALPINA INC             7465 M CANDLEWOOD RD             HANOVER MD 21076-3183</p> <p>MARK FOR: CONTRACTOR TO CONTACT DCMAO FOR SHIPPING INSTRUCTIONS PRIOR TO SHIPMENT.</p> <p>NOTE: Disregard the delivery schedule above and refer to Section F.1.2 schedule</p> <p>(End of narrative F003)</p>	100	EA	\$ ** N/A **	\$ 154,661,893.00

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS DIV

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002AA	<div>ARMOR TEST SECTIONS (L014350)</div> <div>NSN: 0000-00-000-0000 NOUN: ARMOR TEST SECTIONS FSCM: 00000 PART NR: 0000000 SECURITY CLASS: Unclassified PRON: J50VEH0847 PRON AMD: 03 ACRN: AC AMS CD: NFM001 FMS CASE IDENTIFIER: EG NFM</div> <div>Packaging and Marking</div> <div>Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin</div> <div>Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 W56HZV0343D101 W23AUU L BEG800 1 PROJ CD BRK BLK PT GGX DEL REL CD QUANTITY DEL DATE 001 1 31-DEC-2000 002 1 31-MAY-2001</div> <div>FOB POINT: Origin</div> <div>SHIP TO: PARCEL POST ADDRESS (W23AUU) XU TRANSPORTATION OFFICER RESTRICTED DELIVERY APPLIES BLDG E5185 ABERDEEN PROVING GND MD 21010-5000</div> <div>MARK FOR: CONTRACTOR TO CONTACT DCMAO FOR SHIPPING INSTRUCTIONS PRIOR TO SHIPMENT.</div>	2	EA	\$ 29,935.00000	\$ 59,870.00

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS DIV

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002AB	<div>ARMOR TEST SECTIONS (L014351)</div> <div>NSN: 0000-00-000-0000 NOUN: ARMOR TEST SECTIONS FSCM: 00000 PART NR: 00000000 SECURITY CLASS: Unclassified PRON: J50VEH0847 PRON AMD: 03 ACRN: AC AMS CD: NFM001 FMS CASE IDENTIFIER: EG NFM</div> <div>Packaging and Marking</div> <div>Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin</div> <div>Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 W56HZV0343D101 W23AUU L BEG800 1 PROJ CD BRK BLK PT GGX DEL REL CD QUANTITY DEL DATE 001 1 31-DEC-2000</div> <div>FOB POINT: Origin</div> <div>SHIP TO: PARCEL POST ADDRESS (W23AUU) XU TRANSPORTATION OFFICER RESTRICTED DELIVERY APPLIES BLDG E5185 ABERDEEN PROVING GND MD 21010-5000</div> <div>MARK FOR: CONTRACTOR TO CONTACT DCMAO FOR SHIPPING INSTRUCTIONS PRIOR TO SHIPMENT.</div>	1	EA	\$ 28,306.00000	\$ 28,306.00

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

Status	Regulatory Cite	Title	Date
C-1	52.211-4008 (TACOM)	DRAWING LIMITATION	NOV/1993
<p>(a) The drawings supplied with this contract are <u>not</u> shop or process drawings. They are engineering design drawings. They are adequate to permit manufacture, and:</p> <p>(1) depict the completed (item(s), and</p> <p>(2) serve as the basis for inspection of the completed item(s).</p> <p>(b) These drawings DON'T cover intermediate steps in the manufacturing process. As a result, even if you meet all the dimensions and tolerances specified in the engineering design drawing for each individual part, a cumulative unacceptable fit for the contract item could result.</p> <p>(c) <u>You are responsible</u> for producing the shop or process drawings needed to cover intermediate steps in the manufacturing process.</p> <p>(d) If you fail to produce an end item with a cumulative fit that conforms to Government drawings, or other supplemental manufacturing documentation, you'll be responsible for correcting this condition at no additional cost to the Government and no delivery schedule extension.</p> <p>[End of Clause]</p>			

C-2	52.211-4010 (TACOM)	ACQUISITION OF SOURCE-CONTROLLED PART NUMBER ALT I	FEB/1998
<p>Acquisition under this contract is restricted to:</p> <p>(1) The manufacturer's part number or numbers set forth in the Schedule or the Technical Data Package; and</p> <p>(2) Other manufacturer's part numbers that are physically, functionally, and mechanically interchangeable with the manufacturer's part number(s) listed in the Technical Data Package; <u>provided</u> (i) that these nonlisted part numbers have been furnished to one of the approved manufacturers listed in the Technical Data Package, which firm has then, without making any changes in the characteristics or properties of the part, redesignated that part with one of the approved part numbers; and (ii) that firms tendering a nonlisted part number as described in this paragraph (2). have executed the provision entitled REPRESENTATION OF INTENT TO SUPPLY A SOURCE-CONTROLLED ITEM in Section K herein.</p> <p>[End of Clause]</p>			

C-3	52.211-4010 (TACOM)	ACQUISITION OF MANUFACTURER'S PART NUMBER: COMPONENTS	FEB/1998
<p>One or more of the drawings for part of the contract item set forth in the Schedule and in the Technical Data Package specify manufacturer's part numbers. Since complete Government technical data for such part or parts are not available, it is understood that the Contractor, by accepting this contract, agrees to furnish only the listed manufacturer's part number(s) for those components of the contract item, except as provided in the provision entitled NOTICE REGARDING "SOURCE-CONTROLLED" COMPONENTS. (See Section L.) It is further understood and agreed that references to manufacturer's part numbers herein shall be deemed to include all changes or revisions thereto which the approved manufacturer has made effective as of the first date of delivery of any of the items under this contract; <u>provided</u>, that no change or revision that affects the interchangeability (ability to be interchanged with previous parts and to match with all mating parts when assembled) of the listed manufacturer's part shall be incorporated into the contract item without the prior written approval of the Procuring Contracting Officer.</p> <p>[End of Clause]</p>			

<u>Paragraph No.</u>	<u>TITLE</u>
C.4.	CONFORMANCE WITH SPECIFICATIONS, DRAWINGS, AND REQUIREMENTS
C.5	CONTRACT DATA REQUIREMENTS
C.6.	PULL TEST, RUBBER BONDING
C.7.	PHOSPHATE COATING
C.8.	WELDING AND BRAZING
C.9.	GOVERNMENT FURNISHED MATERIAL (GFM)
C.10.	USE OF SHOP DRAWINGS
C.11	PASSIVATION SPECIFICATION
C.12	ZINC COATING
C.13	CORRECTION OF NO-FIT CONDITIONS
C.14	PAINT REQUIREMENT
C.15.	M1A1 SERIES TANK POLLUTION PREVENTION PROGRAM PLAN
C.16	ARMOR TEST SECTIONS
C.17	COMMON SEP/M1A2 CHANGES



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C.4. CONFORMANCE WITH SPECIFICATIONS, DRAWINGS, AND REQUIREMENTS

C.4.1. The hardware for Egyptian configuration M1A1 Abrams Tanks required to be delivered under this contract shall be manufactured in accordance with Engineering Release Record (ERR) No. GDLU 2117 dated 2 Feb 1999 and the applicable Attachment 2 ECPs, specifications, drawings, supporting technical data and special requirements specified herein at Exhibit C, Specification Addendum.

C.4.2. DEFINITION OF INCREMENT VII HARDWARE CONFIGURATION

The required hardware to be provided for INCREMENT VII under Sub-CLINs 0001AA (Attachment 7) , 0001AB, (Attachment 3), 0002AA and 0002AB, is specified below:

a. <u>Sub-Clin/Elins</u>	<u>Name</u>	-	<u>Attachment</u>
0001AA	OBSLOESCENCE HARDWARE	VII	

b. <u>Sub-CLIN/Elins</u>	<u>NAME</u>	<u>Attachment</u>
0001AB	Hull/Turret Assembly Sets	III
A001	Hull Set 1 (BX7001-LIMA)	A-1
A002	Hull Set 1 (BX7001-IVF)	A-2
A003	Hull Set 2 (BX7002-IVF)	A-3
A012	Turret Set 4 (BX7011-IVF)	A-12
A013	Turret Set 5 (BX7012-IVF)	A-13
A014	Hull Structure Set 1 (BX7013)	A-14
A015	Hull Lima Ship (BX7014)	A-15
A016	Turret Lima Ship (BX7015)	A-16
A017	Hull Talh Comp. (BX7016)	A-17
A018	Turret Talh Comp. (BX7017)	A-18
A019	PJAS-Misc. (BX7020)	A-19
A020	Turret Structure (5500310-E4PK)	A-20
A021	Reorder Point Material (EG7003-IVF)	A-21
A022	Classified Material (EG7004)	A-22
A023	Hull Appurtenance (EG7007-LIMA)	A-23
A024	Hull Appurtenance (EG7007-IVF)	A-24
A025	Turret Appurt A (EG7008-A-IVF)	A-25
A026	Turret Appurt B (EG7008-B-IVF)	A-26
A027	Turret Appurt C (EG7008-C-LIMA)	A-27
A028	Turret Ammo Dr A (EG7009-A)	A-28
A029	Turret Ammo Dr B (EG7009-B-IVF)	A-29
A030	Hull Structure Set A (EG7014-A-IVF)	A-30
A031	Hull Structure Set B (EG7014-B-IVF)	A-31
A032	Hull Structure Set C (EG7014-C-LIMA)	A-32
A033	Hull Structure Make (EG7015)	A-33
A034	Hull Side Plates (EG7016)	A-34
A035	Hull Raw Stock A (EG7017-A)	A-35
A036	Hull Raw Stock B (EG7017-B)	A-36
A037	Hull Raw Stock C (EG7017-C)	A-37
A038	Hull Hull Reorder (EG7018)	A-38
0001AB	Hull/Turret Assembly Sets (con't)	
A039	Hull Purch Fin (EG7019)	A-39
A040	Hull Nose Assy. (EG7020)	A-40
A041	Short Shelf A (EG7001-A)	A-41
A042	Indirect Haz Mat A (EG7011-A)	A-42
A043	Indirect Haz Mat B (EG7011-B)	A-43
A044	Indirect Haz Mat C (EG7011-C)	A-44
A045	Indirect Haz Mat D (EG7011-D)	A-45
B001	Make 1 List (EG1006-I7)	B-1
B002	Make 2 List (EG2006-I7)	B-2
B003	Make Hubs (EG1006-707)	B-3
B004	Sprocket Steel (EG1006-731)	B-4

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- c. CLIN NAME
- 0002AA Increment VII Test Section (L014350)
- 0002AB Increment VII Test Section (L014351)
- d. CLIN NAME
- 0003AA Increment VII First Article Test

C.4.3. The supplies required herein shall conform in all respects to the specifications, drawings, and requirements recited or referred to, which are in the possession of the contractor and which are incorporated herein and made a part of by reference. Reference to the Technical Data Package (TDP) under this contract is intended as reference to documentation required to manufacture and test M1A1 vehicles. This documentation includes the Prime Item Fabrication Specifications, Quality Assurance Inspection Equipment (QAIE), Quality Assurance Requirements (QARS), Special Tool and Test Equipment, and Packaging Data Sheets.

C.4.4. Engineering changes requiring Contracting Officer approval shall be prepared and DD Form 1693 data submitted utilizing DD Forms 1692 and 1695 (excluding life cycle costs). Requests for waiver or deviation shall be prepared and submitted utilizing DD Form 1694. No request for major waivers and deviations or Class I engineering changes will become effective until contractual authorization is received from the ACO, and subject to the Availability of Funds. Minor waivers and deviations or Class II engineering changes will become effective upon approval of the ACO, or the authorized representative thereof.

C.4.5. It shall be the responsibility of the Contractor to furnish the requisite drawings, specifications, and pertinent information to its subcontractors.

C.4.6. No exterior safety, instructional markings, hull/turret registration, or five point stars shall be placed on the hull/turret.

C.4.7 M1A1 CLASS I OZONE DEPLETING SUBSTANCES (CIODS)

C.4.7.1 Attachment 10 is a list of specifications requiring Class Ozone Depleting Substances (CIODS) and used in the M1A1 Technical Data Package. The contractor shall comply with the instructions of Attachment 10 for each specification. Additionally, the use of CIODS may be required during the certification/qualification of manufacturers or suppliers of materials. If certification/qualification of manufacturers or suppliers is required for the performance of this contract, and the use of a CIODS is therefore specified, the contractor shall submit a request for waiver.

C.4.7.2 MIL-M-12218C Monobromotrifluoromethane (Halon 1301) has no current alternative. An appropriate waiver for use in a contract with the U.S. Government has been obtained. This waiver only authorizes the Government to include Halon 1301 in the specifications in this contract and does not waive any other law, regulation, requirement or criteria relating to use of Halon 1301 the Contractor may be required to comply with.

C.5. CONTRACT DATA REQUIREMENTS

C.5.1. The Contractor shall prepare technical data and financial reports in the format and scope specified in the applicable Data Item Description (DID) (DD Form 1664) included in Exhibit A. This information will be furnished in accordance with the requirements, quantities and schedules set forth in the contract Data Requirements List (CDRL) (DD Form 1423, Exhibit B).

C.6. PULL TEST, RUBBER BONDING

C.6.1. Certain installation drawings call out a pull test on rubber bonded items during assembly operations. These tests will not be made due to the destructive nature of the test. In lieu thereof, a laboratory test coupon/specimen will be utilized for each lot of adhesive received to test the application of the adhesive.

C.7. PHOSPHATE COATING

C.7.1. Approval of phosphate-coated components as specified in Specifications TT-C-490, Type I DOD-P-16232, Type M and Z, shall be based upon tests performed on sample parts or panels only in lieu of Government pre-production approval of proposed phosphate coating procedures.

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#### C.8. WELDING AND BRAZING

C.8.1. Welding of armor steel will be performed in accordance with Specification SD-X12140 or MIL-STD-1941 and applicable weld procedures. Suggested welding techniques not described as mandatory in the specification/welding procedures shall be considered optional.

C.8.2. Repair of welds for defects on armor steel plate will be performed per SD-X12140 and for Class C defects on armor castings per Appendix B of MIL-A-11356, SD-X12140 and applicable welding procedures.

C.8.3. Repair of vendor weldments on ferrous and non-ferrous metals will be performed per applicable specifications or Contractor approved repair procedures.

C.8.4. Welding procedures shall be approved by the Contractor.

C.8.5. Welding Wrought Aluminum Armor will be performed per Specification MIL-STD-1946, SD-X12146, or where applicable MIL-W-45206.

C.8.6. With regard to welding specifications the following statement applies:  
If joint configuration, weld process, or materials have not changed then previously submitted and accepted ballistic test samples, workmanship specimens, and welder qualifications under the applicable qualification requirements of welding specifications SD-X12140, MIL-STD-1261, SD-X12141, SD-X12142, SD-X-12143, SD-X-12145, SD-X12146, MIL-W-45205, and MIL-W-45206 are applicable.

C.8.7 Soldering shall be in accordance with either MIL-STD-2000A, TACOM Soldering Process Specification 11655194, ANSI/J-STD-001A or other commercial soldering standards with contractors approval.

C.8.8. In the interest of eliminating redundant welding specifications and/or procedure approvals for contractor personnel of suppliers, the contractor is authorized to waive qualifications and/or procedures approvals otherwise required under this contract if its personnel or suppliers are qualified or have procedure approvals under other DOD or Government approved welding specifications that meet or exceed the requirements under this contract.

C.8.9. The contractor shall be responsible for all welding process approvals (procedures, samples, etc) in accordance with the contractor's approved Quality Program.

#### C.9. GOVERNMENT FURNISHED MATERIAL (GFM)

C.9.1. The Government furnished items required to be installed in, or delivered with each hardware shipment shall be furnished by the Government (in the respective required quantities to support work-in process without work around or disruption). All handling, storage, and installation costs are included in the hardware price. BII box inventory will be handled under a separate contract issued to the Contractor. This will insure that all BII boxes will be shipped complete to Egypt. Each plant will report on the inventory status of the Government Furnished Material (GFM) in accordance with Exhibit B, A001, (DI-P-6162A).

#### C.10. USE OF SHOP DRAWINGS

C.10.1. The parties recognize that the use of shop or in-process drawings is necessary to accommodate the contractor's manufacturing process.

C.10.2. The contractor may, therefore use shop or in-process drawings currently in use in the LATP fabrication area (Plant #1) for the fabrication, inspection and disposition of individual armor plate parts prior to the subassembly manufacturing operations. The shop or in-process drawings are a permissible supplement, but not a substitute for detailed ordnance drawings required for inclusion in a competitive technical data package. Any shop or in-process drawing so used during the contractor's manufacturing processes shall be made available for review at LATP by Government personnel.

#### C.11. PASSIVATION SPECIFICATION

C.11.1. The substitution of Passivation Specification ASTM-A380 ASTM-A967, or AMS-QQ-P-35 for MIL-STD-QQ-P-35 for passivation of corrosion resistant steel, is authorized.

#### C.12. ZINC COATING

C.12.1 Zinc plated fasteners will be used in the assembly of the vehicle subject to the following:

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C.12.1.1 Zinc plated fasteners are not allowed in electrical connections, including electrical grounding of components, or where they will be in direct contact with aluminum structures, boxes and brackets. They are allowable, however, if steel inserts are used in that application. When using Zinc Plated fasteners, the fastening torque applied shall be 20% greater than that of past Cadmium plated fastener equivalents.

C.13. CORRECTION OF NO-FIT CONDITIONS

C.13.1. The parties hereto agree that with respect to the dimensional no-fit conditions encountered as a result of tolerance stack-up, and/or interference while conforming to the tolerances of the drawing, the contractor shall modify hardware while maintaining performance characteristics to the extent required to overcome such no-fit conditions at no additional cost to the Government. If further adjustments or fit corrections are not required in order to maintain performance characteristics, but the Government requires further adjustments or different fit corrections, then it shall be ordered by the Contracting Officer pursuant to the Changes Article (FAR 52.243-01).

C.14. PAINT REQUIREMENT

C.14.1. Hull fabrication hardware and turret parts will have preservative on all drilled and tapped holes only. Component parts shall be the color being utilized on current M1A2 Abrams Tank Production Programs.

C.15. M1A1 SERIES TANK POLLUTION PREVENTION PROGRAM PLAN

C.15.1. The contractor shall update, provide and implement the August 1999 approved Pollution Prevention Program Plan used in the M1A2/SEP/Wolverine contract throughout contract performance.

C.16 ARMOR TEST SECTIONS

C.16.1 The Armor Test Sections as set forth in the schedule shall consist of the following items:

- C.16.1.1 Left front Armor Test Section (L014351)- 1 each.
- C.16.1.2 Right front Armor Test Section (L014350)- 2 each.

C.16.2 The test sections will be selected from the first production armor sections and will be representative of the production run. They will be selected by Lima Tank Plant DCMC personnel, in partial form and will be prepared by the contractor for ballistic evaluation, simulating their on-vehicle design as much as possible. In preparing the test sections for evaluation, the contractor will utilize materials of the type (i.e. manufacturer) and thickness employed on the production vehicles kits.

C.17 COMMON M1A2 SEP/M1A1 CHANGES. The Contractor may incorporate common M1A2 SEP/M1A1 changes, which have no cost or performance impact, into the Egyptian M1A1 TDP without Contracting Officer Approval. The contractor shall provide written notification to the Egypt CMO (Mr. Greg Pasokowski) of all changes made pursuant to this paragraph.

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SECTION D - PACKAGING AND MARKING

SECTION D

PACKAGING AND MARKING

D.1. PRESERVATION AND PACKING

D.1.1. Preservation, packaging and packing of hardware, except Armor Test Sections (See D.2.) shall be in accordance with the packaging data sheets delivered under previous MTA Contract DAAE07-89-C-A025 and any new Increment 7 packaging data developed under Abrams STS contract DAAE07-96-C-X195.

D.2. Armor Test Sections

D.2.1. The preservation, packaging and packing shall be in accordance with the best commercial practice to assure safe arrival at the destination point without damage. Security measures delineated in the M1 Security Classification Guide will be followed in the packaging, crating and handling of the Armor Test Sections.

D.3. SPECIAL CONTAINERS

D.3.1. No special reusable containers for Government Furnished Material (GFM) will be procured under this contract.

D.4. SHIP TO:

D.4.1. Contractor to contact ACO for shipping instructions prior to shipment.

D.5. MARKING

D.5.1. The tank hardware shall be marked in accordance with MIL-STD-129 except Bar Code Markings are not required.

D.5.2. On two opposite sides of the containers stencil or label the following address:

A. R. E.  
MILITARY FACTORY 200  
ABU-ZABAAL  
H.Q.9 MAHMOUD  
CAIRO, EGYPT  
MARK FOR: "NFM"

D.5.3. On two sides opposite of address stencil or label the following symbol:  
Red hexagon with "HF 200" stenciled in black with the size of the stencil relative to the size/shape of the package.

D.6. LOADING

D.6.1. The contractor is responsible for loading assembly sets Hull Structure Kits and Hull Noses into the sea-land vans furnished by the Egyptian Governments Freight Forwarder in accordance with the best commercial practice to assure safe arrival at the destination point without damage. All shipment classification will be annotated on the DD250 and NOA (Notice of Availability) as to the shipment being Classified or Non-Classified. The contractor is hereby authorized to ship materials covered under this contract in advance, as long as there is no additional cost to the Government.

D.6.2. \* The Turret Structure shall be loaded in accordance with Manufacturing Operation Sheet 5500310-E4PK. The Turret Structure will be transported by truck to the point of departure by the Egyptian Freight Forwarder. LATP will lift the turret onto a flat bed trailer. The contractor (GDLS) is responsible for loading assembly sets into the sea-land vans furnished by the Government in accordance with the best commercial practice to assure the safe arrival at the destination point without damage. The contractor is hereby authorized to ship materials covered under this contract in advance, as long as there is no additional cost to the Government. The contractor must coordinate with the Egypt Tank Plant (ETP) when they want to ship in advance of schedule. The ETP must be given the opportunity to concur/disapprove.

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SECTION I - CONTRACT CLAUSES

<u>Status</u>	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
I-1 ADDED	52.211-4015 (TACOM)	CONFIGURATION CONTROL--ENGINEERING CHANGES, DEVIATIONS, AND WAIVERS	MAR/2000
a. DEFINITIONS:			
1. Engineering Change Proposal (ECP). An ECP is a suggestion that we (the Government) permanently change some requirement of the Technical Data Package (TDP). ECPs can be issued before or during contract performance.			
NOTE: The current Government Standard allows us ninety days to process routine ECPs. If you (the contractor) need a response in less than ninety days to meet contract requirements, you should consider submitting a waiver or deviation along with your ECP. Information on RFD/RFW's/ECP's can be found on the web at <a href="http://contracting.tacom.army.mil/rfd_w/rfd_w.htm">http://contracting.tacom.army.mil/rfd_w/rfd_w.htm</a> .			
2. Deviation. A Request for Deviation (RFD) is a one-time request to deviate from TDP requirements. You must submit your deviation request before you deviate from the TDP requirements. You can request a deviation for a specific number of parts or the entire contract quantity.			
3. Waiver. A Request for Waiver (RFW) is a one-time request that we accept one or more items from a production run that don't conform to TDP requirements. Waivers are submitted after the nonconformance has occurred. They are usually for a specific number of units.			
b. When will TACOM start processing change requests? TACOM won't start processing any ECP or RFD/RFW until we receive the ACO's comments (see paragraph (e)) and the ECP or RFD/RFW documentation.			
c. Contractor Responsibility. ECPs and RFD/RFW shall contain information per instruction of Attachment 20(RFD/W), or Attachment 14 (ECP's). You may use the forms in the Appendix D, MIL-STD 973 to prepare an ECP or RFD/RFW. You may use other media, as long as you give us all the information as requested on the Forms.			
1. For ECP's include:			
(i) Requirements for Notices of Revision (NOR). (Instructions for NORs are in Attachment 15.)			
(ii) Copies of drawings that you've clearly marked to identify the proposed change.			
(iii) Any other documentation that will help us review your proposed change.			
2. Requests for Deviations/Waivers -You must:			
(i) Prepare RFD/Ws per Attachment 20 instructions.			
(ii) Include marked drawings and any other documentation that we'll need to review the proposed RFD/W.			
(iii) Identify the number of parts affected on your submittal			
3. Identify the weapon system code on your submittal. (The Weapon System Code is a two-digit code. You can find it in block 6 of the Contract/Award cover sheet.) You may find all forms and attachments mentioned in this clause on the web at: <a href="http://contracting.tacom.army.mil/rfd_w/rfd_w.htm">http://contracting.tacom.army.mil/rfd_w/rfd_w.htm</a>			
4. The Contractor shall submit ECPs/VECPs and RFDs/RFWs to the Government electronically. You must use one of the following electronic mediums: 100 megabyte Zip*-disk, 3 1/2 inch disk, 650 megabyte CD ROM, or E-mail. (E-mail files must be sized 3.5 mb or less.) Identify the software application, and version, that you used to create each file submitted.			
5. ECPs/VECPs and RFDs/RFWs submitted in paper form are unacceptable and will be returned. You must use one of the following electronic formats:			
(i) Files readable using these Microsoft* 97 Office Products: Word, Excel, PowerPoint, or Access. Spreadsheets must be sent in a file format that includes all formulae, macro and format information. Print image is not acceptable.			
(ii) Files in Adobe PDF (Portable Document Format).			
(iii) Files in HTML (Hypertext Markup Language). HTML documents must not contain active links to live Internet sites or pages. All linked information must be contained within your electronic ECPs/VECPs and RFDs/RFWs, and be accessible offline.			

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(iv) Other electronic formats. Before preparing your ECPs/VECPs or RFDs/RFWs in any other electronic format, please e-mail the engineer, copy-furnished to the buyer and ACO, to obtain a decision as to the format's acceptability. Failure to e-mail the engineer to seek an alternate format's acceptability may result in rejection of your submission. All alternate methods must be at no cost to the Government.

\*Registered Trademark

NOTE: The above formats may be submitted in compressed form using self-extracting files.

- d. Submittal Procedures for ECP's and RFD/W's.
  - 1. Send one copy of the ECP or RFD/W in electronic format to your ACO.
  - 2. Send one copy of the ECP or RFD/W in electronic format to the buyer listed on the solicitation / contract document.

WARNING - Submit complete, legible, virus free packages per paragraphs 1 and 2 above, or we may return your ECP/RFD/RFW without processing them.

e. ACO Responsibility. Within ten working days from the day you receive the contractor's request, the ACO must prepare Comments on Deviation, Waiver, or Engineering Change Request, in electronic format, and forward it as follows:

ECPs/RFDs and RFWs. Email a copy of the contractor's request and ACO comments to the engineer (-1-) and the buyer.

- f. Approval of ECPs, RFDs, and RFWs.
  - 1. ECPs should be used to make permanent changes in the Government Technical Data Package (TDP). Contractual relief should be requested using a Request for Deviation or Waiver. This is because the Government requires more time to analyze any proposal to permanently change the specification or TDP. Cost saving improvements to the TDP should be submitted as a VECP, if a VE clause is contained in the contract.
  - 2. ECPs. TACOM will review and make a decision within the ninety day timeframe. Notification of our decision will be made by the contracting officer or representative.
  - 3. RFDs/RFWs. Decision on RFDs and RFWs will be made within 30 days from the date we receive them from the ACO.
- g. Processing Emergency and Urgent ECPs. Ordinarily, ECPs submitted by the contractor will be deemed routine. If you submit an ECP that you consider to be an emergency or urgent (as defined in Appendix D), you must immediately notify the PCO. TACOM will review the criticality of the ECP, and, if we determine that it is urgent or critical, we'll follow the appropriate processing time-frames in paragraph 5.4.2.3.1.1 of MIL-STD-973 or notify you otherwise.

h. Reminder - Only the PCO can change the Contract. NO OTHER GOVERNMENT REPRESENTATIVE is authorized to make a commitment for, or bind the Government.

i. RFDs/RFWs shall contain sufficient pricing data to determine if a downward equitable adjustment to the contract is required. You may find all forms and attachments mentioned in this clause on the web at [http://contracting.tacom.army.mil/rfd\\_w/rfd\\_w.htm](http://contracting.tacom.army.mil/rfd_w/rfd_w.htm)

- j. Questions.
  - 1. Questions about preparation and submittal of change request should be directed to the Government Quality Assurance Representative (QAR).
  - 2. Questions about the status of change requests you've already submitted, contact the buyer. You can find the buyer's name, number and e-mail address in block 7 of the solicitation cover sheet (SF 33).

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SECTION J - LIST OF ATTACHMENTS

<u>List of Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number of Pages</u>	<u>Transmitted By</u>
Exhibit A	DIDS	29-DEC-1999	023	
Exhibit B	CDRLS	29-DEC-1999	002	
Exhibit C	RESERVED			
Exhibit D	RESERVED			
Attachment 001	GFM		002	
Attachment 002	ERR & ECPS	02-FEB-1999	001	
Attachment 003	LIST OF BX & EG NUMBERS		082	
Attachment 004	FAT REQUIREMENTS		001	
Attachment 005	RESERVED			
Attachment 006	MAKE OR BUY		001	
Attachment 007	DUTY FREE ENTRY LIST		002	
Attachment 008	OBSOLETE HARDWARE		001	
Attachment 009	INCREMENT VII DELIVERABLE BILLING, SHIPPING AND PRICES	28-MAR-2001	001	
Attachment 010	CIODS	29-DEC-1999	008	
Attachment 011	SECURITY CLASSIFICATION SPECIFICATION	30-DEC-1999	002	